INTERNATIONAL SEARCH REPORT

International application No. PCT/US01/49921

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :H01L 21/28, 21/3205, 21/44;			
US CL :438/602, 603, 604, 606, 607, 681; 257/102, 189, 200			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 438/602, 603, 604, 606, 607, 681; 257/102, 189, 200			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
EAST, WEST			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
A	US 6,232,138 B1(FITZGERALD et al) 15 May 2001 (15/05,/2001) entire document		1-28
A	US 5,744,829 A (MURASATO et al) 28 April 1998 (28/04/1998) col.4, lines 1-50.		1-28
A	US 5,264,389 A (HAMADA et al) 23 November 1993 (23/11/1993) col.9, lines 1-20.		1-28
]			
Further documents are listed in the continuation of Box C. See patent family annex.			
• Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the			
to be of particular relevance		"X" document of particular relevance; the	
"E" earlier document published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is		considered novel or cannot be considered to involve an inventive step when the document is taken alone	
cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"P" de	means being obvious to a person skilled in the art document published prior to the international filing date but later than "&" document member of the same patent family		
the priority date claimed Date of the actual completion of the international search		Date of mailing of the international search report	
25 JULY 2002		26 DEC 2002	
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